

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	circuit adj board and large adj trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 10:26
S2	4	large adj trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 10:28
S3	1095	trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 10:28
S4	79	trace adj width with ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 10:31
S5	2	trace adj width with ground with limit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 10:31
S6	2	trace adj width with ground with maximum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 11:14
S7	2	trace adj width with heavy adj ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 11:15
S8	0	trace adj width with ground with lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 11:15

## EAST Search History

S9	0	trace adj width with ground with surge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 11:15
S10	0	trace adj width with ground same surge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 11:15
S11	0	trace adj width with ground same lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 11:15
S12	0	trace adj width same ground same lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 11:51
S13	4	lightning adj surge same power adj surge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 11:57
S14	4	heavy adj ground same lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:15
S15	2	"6360698".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:18
S16	1	10/723327	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:19

## EAST Search History

S17	41	heavy adj ground same large	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:34
S18	5	heavy adj ground same large same short	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:20
S19	1	heavy adj ground with lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:34
S20	4	heavy adj ground same lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:34
S21	8	heavy adj ground and lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:38
S22	94	heavy adj ground and short	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:38
S23	29	heavy adj ground and short and wide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:39
S24	1	heavy adj ground same short same wide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:39

## EAST Search History

S25	31	heavy adj ground same short	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:41
S26	280	heavy adj ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:53
S27	7	bus\$1bar with short with cross\$1section	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:55
S28	3	bus\$1bar with short with wide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:56
S29	0	(bar adj barbus\$1bar) with short with wide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:56
S30	9	(bar adj bar bus\$1bar) with short with wide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 12:58
S31	14	(bus adj bar bus\$1bar) with short with wide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:01
S32	35	(bus adj bar bus\$1bar) same (short with wide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:02

## EAST Search History

S33	0	(heavy adj ground) same (short with wide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:03
S34	43	impulse adj protection	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:05
S35	1	impulse adj protection same trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:05
S36	0	surge adj protection same trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:06
S37	5	protection same trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:06
S38	0	lightning same trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:07
S39	2	(over\$1voltage over adj voltage) same trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:07
S40	95	"361".clas. and trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:08

## EAST Search History

S41	0	"361".clas. and large adj trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:08
S42	0	"361".clas. and wide adj trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:08
S43	1	wide adj trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:08
S44	1095	trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:11
S45	4	large adj trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:09
S46	52	trace adj width with (large wide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:19
S47	13	maxim\$4 adj trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:21
S48	47	maxim\$4 with trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:24

## EAST Search History

S49	2	short adj heavy adj ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:25
S50	242	short with wide with ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:26
S51	0	short with wide with ground same lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:25
S52	2	short with wide with ground and lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:26
S53	9	short with wide with ground and surge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:58
S54	0	maximum adj trace adj width and discharge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 13:59
S55	12	maximum adj trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:23
S56	2	maximum adj trace adj width with current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:24

## EAST Search History

S57	0	maximized adj trace adj width with current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:24
S58	46	trace adj width with current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:39
S59	0	ground adj wire with wide with short	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:39
S60	242	ground with wide with short	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:45
S61	0	ground with wide with short same lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:39
S62	2	ground with wide with short and lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:39
S63	10	heavy adj ground same gauge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:59
S64	3954	surge adj protection	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 14:59

## EAST Search History

S65	87608	S64 and circuit adj board (PCB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:00
S66	697	S64 and (circuit adj board (PCB))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:00
S67	213	S64 and (circuit adj board (PCB)) and trace\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:01
S68	1	S64 and (circuit adj board (PCB)) and trace adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:01
S69	161	S64 and (circuit adj board (PCB)) same trace\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:06
S70	173	large adj trace\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:06
S71	6	large adj trace\$1 with current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:07
S72	238	wide adj trace\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:08

## EAST Search History

S73	0	wide adj trace\$1 same damage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:08
S74	0	wide adj trace\$1 same surge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:08
S75	3	trace\$1 adj width same surge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:13
S76	974	wide adj cross adj section	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:13
S77	24	wide adj cross adj section and short adj length	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:13
S78	5	wide adj cross adj section and short adj length and ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:14
S79	58	wide adj cross adj section and short and ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:15
S80	145	"12" adj gauge same ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:15

## EAST Search History

S81	13	"12" adj gauge same ground same short	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:15
S82	1571	gauge same ground same short	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:16
S83	3	gauge same ground same short same lightning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:17
S84	29	gauge same ground same short same antenna	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:18
S85	0	short adj grounding adj wire same short same antenna	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:19
S86	4	short adj grounding adj wire	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:22
S87	912256	resistivity ad jequation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:22
S88	42	resistivity adj equation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:22

## EAST Search History

S89	0	resistivity adj equation same ground	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:23
S90	22	lightning same ground same short same width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:41
S91	3	lightning same ground same short same gauge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 15:41